

CLAIMS

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A1*
- 5 A method of intraframe transmission comprising:
dividing a digital image into a plurality of regions;
selecting a first region wherein said first region is encoded without interframe
compression, and
transmitting said regions.
- 10 2. The method of claim 1 wherein said regions comprise:
a non-overlapping rectangular group of pixels.
- 15 3. The method of claim 1 wherein said regions comprise:
a strip of pixels.
4. The method of claim 1 wherein said regions comprise:
a plurality of non-contiguous pixel groups.
- 20 5. The method of claim 1 wherein said step of selecting comprises:
determining one or more first groups of pixels wherein intraframe compression of
said first groups results in better compression than interframe compression; and
determining one or more second groups of pixels wherein said second groups
were not encoded without interframe compression within a number of transmissions.
- 25 6. The method of claim 1 wherein said step of selecting comprises:
assigning a first number to a first pixel group; and

selecting said first pixel group to be included in said first region for a transmission
wherein said transmission is associated with a second number and said second number
modulo a third number is equal to said first number wherein said third number is a total
number of regions.

5

7. An intraframe transmission unit comprising:
a dividing unit configured to divide an I-frame into a plurality of regions;
a selection unit configured to select a first region wherein said first region is
encoded without interframe compression; and
10 a transmitter configured to transmit said regions.

8. The intraframe transmission unit of claim 7 wherein said regions
comprise:
15 a non-overlapping rectangular group of pixels.

9. The intraframe transmission unit of claim 7 wherein said regions
comprise:
15 a strip of pixels.

20 10. The intraframe transmission unit of claim 7 wherein said regions
comprise:
a plurality of non-contiguous pixel groups.

25 11. The intraframe transmission unit of claim 7 wherein said selection unit
comprises:

1

a first determiner configured to determine one or more first groups of pixels
wherein intraframe compression of said first groups results in better compression than
interframe compression; and

5 a second determiner configured to determine one or more second groups of pixels
wherein said second groups were not encoded without interframe compression within a
number of transmissions.

12. The intraframe transmission unit of claim 7 wherein said selection unit
comprises:

10 a labeler configured to assign a first number to a first pixel group; and
 a second selection unit configured to select said first pixel group to be included in
said first region for a transmission wherein said transmission is associated with a second
number and said second number modulo a third number is equal to said first number
wherein said third number is a total number of regions.

15 13. / A computer program product comprising:

 a computer usable medium having computer readable program code embodied
therein configured for intraframe transmission, comprising:
 computer readable code configured to cause a computer to divide an I-frame into a
20 plurality of regions;
 computer readable code configured to cause a computer to select a first region
wherein said first region is encoded without interframe compression; and
 computer readable code configured to cause a computer to transmit said regions.

14. The computer program product of claim 13 wherein said regions comprise:
a non-overlapping rectangular group of pixels.

5 15. The computer program product of claim 13 wherein said regions comprise:
a strip of pixels.

10 16. The computer program product of claim 13 wherein said regions comprise:
a plurality of non-contiguous pixel groups.

10 17. The computer program product of claim 13 wherein said computer
readable code configured to cause a computer to select comprises:
computer readable code configured to cause a computer to determine one or more
first groups of pixels wherein intraframe compression of said first groups results in better
compression than interframe compression; and

15 15 computer readable code configured to cause a computer to determine one or more
second groups of pixels wherein said second groups were not encoded without interframe
compression within a number of transmissions.

18. The computer program product of claim 13 wherein said computer
20 readable code configured to cause a computer to select comprises:
computer readable code configured to cause a computer to assign a first number to
a first pixel group; and
computer readable code configured to cause a computer to select said first pixel
group to be included in said first region for a transmission wherein said transmission is

associated with a second number and said second number modulo a third number is equal
to said first number wherein said third number is a total number of regions.